



Longburn  
Adventist™ College

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# Student Course Information

## NCEA Level 3 2019 for 2020

English &  
Te Reo  
Māori

The Arts

Health &  
Physical  
Education

Learning  
Languages

Maths &  
Science

Science

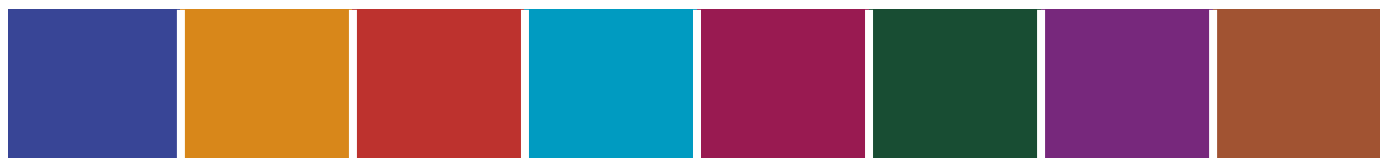
Social  
Sciences

Technology

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# Welcome

## Dear Parents and Students

This document contains information on all subjects offered at Longburn Adventist College for NCEA Level 3, 2020. Information provided will assist you in helping your child to make informed choices about the pathway they need to take towards their career choice.

This information can be used to make informed choices about the Level 3 subjects that are offered. Students may use the information in the Level 1 and 2 books to tailor an individual programme to support their NCEA achievement. Of these 6 subjects, 1 of them is a Core subject at LAC for Year 13 which is Religious Studies. The other **five subjects** are chosen by the students from a range of options. Students are required to select 7 subjects in order of preference for development of the timetable.

Good subject choices will be made if students consult with parents/caregivers and teachers. Student's subject choices will initially be collected. This information will help the school work out a timetable. It is important that subject choices are made carefully.

While the information in this booklet is accurate at the time of going to print, reviews by NZQA or subject teachers may result in some changes to the Achievement or Unit Standards offered for a subject. Students are notified of the assessment programme for a subject at the beginning of term one in the new year.

If you require further help, please contact Mrs Aiono.

I hope that this information may start you thinking about the various options available to you.

Mrs Tamar Aiono, Assistant Principal

[tamara@lac.school.nz](mailto:tamara@lac.school.nz)



# Planning A Course For NCEA Level 3

## 1. Your Compulsory Subjects:

- Religious Studies

## 2. Choose 7 Option Subjects in order of preference from:

- Biology
- Building Construction
- Chemistry
- Computing
- Design
- Economics
- English
- Geography
- Health
- History
- Hospitality
- Mathematics with Calculus OR Statistics
- Media Studies
- Music
- Painting
- Photography
- Physical Education
- Physics
- Tourism

## 3. Fill in Your Option Choice Form

This will be done electronically over the school break

## 4. Important School Policies for NCEA at LAC

Please refer to your Student diary for the NCEA Policies at LAC. In general, LAC subject areas do not provide an opportunity for reassessment of internal achievement standards. You need to be aware of the Policies for Authenticity, Resubmission, Appeals, Absences and Lateness, and checking records of your results.

## 5. Selecting your Courses

Not all courses offered will run. It will depend on the number of students selecting the course and the availability of staffing. Select courses carefully as it may be difficult to change courses at a later time.

## 6. Entry Requirements

Please note that the entry requirements listed for subjects are to provide students guidance for subject selection. These requirements will help students to understand prior learning that will enable the best possibility for success. If you have any questions regarding this, please contact Mrs Aiono or the relevant Leader of Learning.

## 7. STAR, Gateway and Te Kura

Students who wish to do specific work experience, placements in a career area or a subject not offered at LAC, need to contact Mrs Mancer or Mrs King as soon as possible, who will explain what needs to happen from there. This is only for students who fit the criteria for this type of study and are committed and self motivated.

# Level 3 Biology

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

Level 2 Biology including 1 Biology external

## Course Description:

### *In Biology, students will:*

- Understand the relationship between organisms and the environment.
- Explore the evolutionary processes that have resulted in the diversity of life on Earth and appreciate the place and impact of humans within these processes.
- Understand how humans manipulate the transfer of genetic information from one generation to the next and make informed judgments about the social, ethical, and biological implications relating to this manipulation.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91601	1	3	4	N	Carry out a practical investigation in a biological context, with guidance	Internal
AS 91602	1	3	3	R/W	Integrate biological knowledge to develop an informed response to a socio-scientific issue	Internal
AS 91603	1	3	5	R/W	Demonstrate understanding of the responses of plants and animals to their external environment	External
AS 91606	1	3	4	R/W	Demonstrate understanding of trends in human evolution	External
AS 91607	1	3	3	R	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 3 “BConstructive” Building Construction

## Qualification:

Building Construction Level 3

## Entry Requirement:

None, but students find it easier if they have taken Woodwork or Building Construction in the previous year

## Course Description:

The “BConstructive” course is designed as a progressive pathway for students wanting to integrate into a wide range of trade related occupations when they leave school, but not limited to these students. It is mostly a practical based course in the workshop.

The course is a total of 22 credits, which must be gained to achieve the certificate. These credits will be offered in Woodwork shop and theory work.

## Course Costs:

\$90 for materials and take home projects.

## The following Unit Standards will be offered:

US No.	Level	No. of Projects	Name	Credits
US 29677	3	1	Safety in the workplace	2
US 29684	3	1	Undertake a Stage 3 BCATS project	12
US 29678	3	1	Select and use materials	4
US 29682	3	1	Select, use and maintain tools	4
<b>Total Credits offered</b>				<b>22</b>

# Level 3 Chemistry

## Qualification:

NCEA Level 3 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

Level 2 Chemistry including 1 Chemistry external

## Course Description:

### *In Chemistry, students will:*

- Investigate and measure the chemical and physical properties of a range of groups of substances, for example, acids and bases, oxidants and reductants, and selected organic and inorganic compounds.
- Relate properties of matter to structure and bonding
- Develop an understanding of and use the fundamental concepts of chemistry (for example, equilibrium and thermochemical principles) to interpret observations.
- Apply knowledge of chemistry to explain aspects of the natural world and how chemistry is used in society to meet needs, resolve issues, and develop new technologies.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91387	1	3	4	W/N	Carry out an investigation in chemistry involving quantitative analysis	Internal
AS 91388	1	3	3	-	Demonstrate understanding of spectroscopic data in Chemistry	Internal
AS 91389	1	3	3	R/W/N	Demonstrate understanding of chemical processes in the world around us	Internal
AS 91390	1	3	5	N	Demonstrate understanding of thermochemical principles and the properties of particles and substances	External
AS 91391	1	3	5	N	Demonstrate understanding of the properties of organic compounds	External
<b>Total Credits offered</b>						<b>20</b>

# Level 3 Computing

## Qualification:

NCEA Level 3 Computing; contributes to the National Certificate in Computing Level 3

## Entry Requirement:

Open Entry

## Course Description:

This subject introduces student to the topic of computing and teaches them the skills to participate in an Information Technology society. It also teaches them valuable and essential skills that can be transferred to many other fields of learning.

## Unit Standards (US) and Achievement Standards (AS) that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write/ Num	Full Title	Internal/ External
US 108	7	3	5	-	Apply text processing skills to produce business documents	Internal
US 112	7a	3	5	-	Produce business or organisational information using word processing functions	Internal
US 2785	8	3	5	-	Create a computer spreadsheet to provide a solution for organisation use	Internal
US 2787	7	3	6	-	Create and use a computer database to provide a solution for organisation use	Internal
US 2789	8	3	6	-	Produce desktop published documents for organisational use	Internal
US 2797	7	3	4	-	Demonstrate knowledge of the principles of computer networks	Internal
US 5968	7	3	6	-	Discuss the social implications of information technology	Internal
US 12887	7	3	6	-	Integrate text & images & manage multiple files for generic text & info management	Internal
US 29797	1	3	2	-	Synchronise data across digital devices and multiple platforms	Internal
US 29798	1	3	3	-	Troubleshoot, fix and escalate a range of common hardware and software problems	Internal
<b>Total Credits offered</b>						<b>20</b>



# Level 3 Design

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement.

Achieved Level 2 Painting, Design or Photography.

## Course Description:

In Design, students will pick one theme and carry it over all of the offered assessments. The external boards are an end product of a year long study around the students theme. This enables work that is created in internals, is then also applicable to go on their external boards. Students will be using digital programs to achieve their desired end result.

### *Students will also:*

- Use research and analysis to investigate contexts, meanings, intentions, and technological influences related to the making and valuing of art works
- Research and analyse contexts relevant to their intentions and to the expression of meanings in their own work.
- Apply understanding from broad and deep research into the characteristics and constraints of materials, techniques, technologies, and established conventions in design
- Extend and refine skills in design, using appropriate processes and procedures via creative computer programs.
- Generate, analyse, clarify, and regenerate options in response to selected questions or a proposal in a chosen field
- Use a systematic approach, selectively informed by recent and established practice, to develop ideas in a body of work.
- Research and analyse selected approaches and theories related to visual arts practice
- Critically reflect on, respond to, and evaluate art works.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write/ Num	Full Title	Internal/ External
AS 91445	2	3	4	-	Use drawing to demonstrate understanding of conventions appropriate to design	Internal
AS 91445	2	3	4	-	Systematically clarify ideas using drawing informed by established practice	Internal
AS 91445	2	3	14	-	Produce a systematic body of work that integrated conventions and regenerates ideas with design practice	External
<b>Total Credits offered</b>						<b>22</b>

# Level 3 Economics

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement.

It is preferred that students have achieved Level 2 Economics (at least 3 standards of which 1 is external) or for students who have not done Level 2 Economics, Level 2 English (at least 2 standards of which 1 is external).

## Course Description:

Economics enables students to understand that well-functioning markets are efficient but that governments may need to intervene where markets fail to deliver efficient or equitable outcomes and understand how the nature and size of the New Zealand economy is influenced by interacting internal and external factors.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write/ Num	Full Title	Internal/ External
AS 91399	2	3	4	R/W	Demonstrate understanding of the efficiency of market equilibrium	External
AS 91400	2	3	4	R/W	Demonstrate understanding of the efficiency of different market structures using marginal analysis	External
AS 91401	2	3	5	R	Demonstrate understanding of microeconomic concepts	Internal
AS 91402	3	3	5	R	Demonstrate understanding of government interventions to correct market failures	Internal
AS 91403	2	3	6	R/W	Demonstrate understanding of macro-economic influences on the New Zealand economy	External
<b>Total Credits offered</b>						<b>20</b>

# Level 3 English

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

University Entrance Literacy and gained 14 English credits with at least 4 credits from an external

## Course Description:

English 1: The contents of this course are designed for students who are intending to pursue tertiary education or have a real passion for English, being driven and motivated to manage themselves

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write/ Num	Full Title	Internal/ External
AS 91472	1	3	4	R/W	Respond critically to specified aspect(s) of studied written text(s), supported by evidence	External
AS 91473	1	3	4	W	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	External
AS 91474	1	3	4	R/W	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	External
AS 91475	1	3	6	W	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	Internal
AS 91476	1	3	3	-	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	Internal
AS 91478	1	3	4	-	Respond critically to significant connections across texts, supported by evidence	Internal
<b>Total Credits offered</b>						<b>19</b>

# Level 3 Geography

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certification of Educational Achievement.

## Entry Requirements:

This subject has open entry with it being strongly recommended for students to have achieved level 1 Literacy

## Course Description:

Geography is the study of the environment as the home of people. It seeks to interpret the world and how it changes over time – past, present, and future. It explores the relationships and connections between people and both natural and cultural environments. Geography investigates the ways in which features are arranged on the earth's surface. It describes and explains the patterns and processes that create them. Students learn to think spatially and use maps, visual images and new technologies, including geographical information systems (GIS), to obtain, present and analyse information.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write/ Num	Full Title	Internal/ External
AS 91427	2	3	4	R/W	Demonstrate understanding of how a cultural process shapes geographic environment(s)	External
AS 91428	2	3	3	R	Analyse a significant contemporary event from a geographic perspective.	Internal
AS 91429	2	3	4	R/W	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills	External
AS 91430	2	3	5	N	Conduct geographic research with consultation	Internal
AS 91431	2	3	3	R	Analyse aspects of a contemporary geographic issue	Internal
AS 91432	2	3	3	Lit	Analyse aspects of a geographic topic at a global scale	Internal
AS 91433	2	3	3	Lit N	Apply spatial analysis, with consultation, to solve a geographic problem	Internal
<b>Total Credits offered</b>						<b>16-20</b>

# Level 3 Health

## Qualification:

NCEA Level 13 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

This subject has open entry with it being strongly recommended for students to have achieved Year 12 Health.

## Course Description:

Health Education enables students to focus on the dimensions of hauora and the application of the concept to a range of contexts. In year 13 students will critically analyse health issues, Link cultural, political, and economic determinants to direct and indirect effects on well-being and critically analyse own and others' attitudes, values, and beliefs about current ethical issues or dilemmas.

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91463	2	2	5	L	Evaluate health practices currently used in New Zealand	Internal
AS 91461	2	3	5	L	Analyse a New Zealand health issue	Internal
AS 91464	2	3	4	L	Analyse a contemporary ethical issue in relation to well-being	Internal
AS 91462	2	3	5	L	Analyse an international health issue	External
<b>Total Credits offered</b>						<b>19</b>

# Level 3 History

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

It is preferred that students have achieved NCEA Level 2 History (at least 3 standards of which 1 is an External) or for students who have not taken Level 2 History, Level 1 English (at least 1 External standard).

## Course Description:

Where possible, history encompasses events occurring in New Zealand and/or global events involving or influencing New Zealanders. Historical scholarship encourages students to look for points of connection and for similarities and differences, and to focus on research that transcends the boundaries of nation states. Students are encouraged to question accepted interpretations of the past and to consider contesting theories of historians and commentators. This emphasis reflects contemporary historical scholarship. There is also a more holistic approach to understanding concepts of identity.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91434	1	3	5	R	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	Internal
AS 91435	1	3	5	R	Analyse an historical event, or place, of significance to New Zealanders	Internal
AS 91436	1	3	4	R/W	Analyse evidence relating to an historical event of significance to New Zealanders	External
AS 91437	1	3	5	R	Analyse different perspectives of a contested event of significance to New Zealanders	Internal
AS 91438	1	3	6	R/W	Analyse the causes and consequences of a significant historical event	External
AS 91439	1	3	6	R/W	Analyse a significant historical trend and the force(s) that influenced it	External
<b>Total Credits offered</b>						<b>16-20</b>

# Level 3 Hospitality

## Qualification:

NCEA Level 3 Unit Standards Course – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

It is recommended that students have completed Level 2 Hospitality

## Course Description:

Level 3 Hospitality follows the Unit Standard course framework. All learning materials are given to each student by an outside school supplier; Service IQ. During this course, students explore more in depth the different strands founded in the Hospitality Industry, in relation to nutrition, preparation methods, coffee production and complex cookery skills. The Units offered during 2020 are subject to change as they will be dependent on students' interests.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
13343	6	3	5	R/W	Demonstrate knowledge of nutrition in commercial catering	Internal
18497	7	3	8	R/W	Demonstrate knowledge of culinary products, terms and food preparation methods	Internal
13282	5	3	2	N	Prepare, assemble and present complex sandwiches for service in a commercial kitchen	Internal
17284	6	3	3	N	Demonstrate knowledge of coffee origin and production	Internal
<b>Total Credits offered</b>						<b>18</b>

# 2020 Subject Structure

**Bold type** indicates compulsory subjects

LEARNING AREAS	Junior School		
	YEAR 7 & 8	YEAR 9	YEAR 10
The Arts	Music	Music	Music
	Visual Arts	Visual Arts	Visual Arts
English	<b>English</b>	<b>English</b>	<b>English</b>
Health & Physical Education	<b>Health &amp; Physical Education</b>	<b>Health &amp; Physical Education</b>	<b>Health &amp; Physical Education</b>
		<b>Invictus Wellbeing Programme</b>	
Mathematics & Statistics	<b>Mathematics</b>	<b>Mathematics</b>	<b>Mathematics</b>
Science	<b>Science</b>	<b>Science</b>	<b>Science</b>
Social Sciences	<b>Bible</b>	<b>Bible</b>	<b>Bible</b>
	<b>Integrated Studies</b>	<b>Social Studies</b>	<b>Social Studies</b>
Technology		Information Technology	Information Technology
	Woodwork	Woodwork	Woodwork
	Home Economics	Home Economics	Home Economics
		Programming	Programming
Learning Support	LAC's SENCO (Special Educational Needs Co-ordinator)		
Vocational & Outside Provider Courses	Te Kura, the correspondence school (for subjects that LAC does not offer)		



As of July 2019

<b>Senior School</b>		
<b>YEAR 11</b> NCEA Level 1	<b>YEAR 12</b> NCEA Level 2	<b>YEAR 13</b> NCEA Level 3
Music	Music	Music
Visual Arts	Design	Design
	Painting	Painting
	Photography	Photography
<b>English</b>	<b>English</b>	English
Physical Education	Physical Education	Physical Education
Health	Health	Health
<b>Invictus</b>		
<b>Mathematics</b>	Mathematics with Statistics <i>OR with</i> Calculus	Mathematics with Statistics <i>OR with</i> Calculus
Financial Management	Financial Management	Financial Management
<b>Science</b>	Biology	Biology
	Chemistry	Chemistry
	Physics	Physics
<b>Religious Studies</b>	<b>Religious Studies</b>	<b>Religious Studies</b>
History	History	
Commerce	Commerce	
	Tourism	Tourism
	Media Studies	Media Studies
Computing / Digital Technologies	Computing / Digital Technologies	Digital Technologies
Building Construction	Building Construction	Building Construction
Hospitality	Hospitality	Hospitality <i>TBC</i>

can assess and assist with students' learning needs across all Year levels

- Gateway or STAR courses
- Secondary Tertiary Provider programmes (STP)
- Te Kura, the correspondence school

## Level 3

# Mathematics with Calculus

**Qualification:**

This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement Level 3.

**Entry Requirement:**

Students should have achieved at least Merit in Algebra or Calculus at Level 2.

**Course Description:**

This course aims to provide students with a foundation in Calculus. It is designed for students with an interest in the continued study of mathematics, the physical sciences, engineering or any field in which mathematical analysis is an important tool.

This course is made up of two internally assessed achievement standards and two externally assessed achievement standards. There are compulsory workbooks, and classwork and homework will be undertaken in these.

**Achievement Standards that will be drawn from for an assessment programme:**

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91574	2	3	3	N	Apply linear programming methods in solving problems	Internal
AS 91578	2	3	6	N	Apply differentiation methods in solving problems	External
AS 91579	2	3	6	N	Apply integration methods in solving problems	External
AS 91587	2	3	3	N	Apply systems of simultaneous equations in solving problems	Internal
<b>Total Credits offered</b>						<b>18</b>

## Level 3

**Mathematics with Statistics****Qualification:**

This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement Level 3.

**Entry Requirement:**

Students should have passed at least one of the external assessments in Level 2 and have gained their Level 2 literacy requirements for university entrance.

**Course Description:**

This course aims to provide students with a solid foundation in Statistics and Modelling. It is designed for students interested in quantitative aspects of biological and social sciences, medicine, commerce and administration, and in general any field where the collection, analysis and interpretation of data is important.

This course is made up of four internally assessed achievement standards and one externally assessed achievement standard. There are compulsory workbooks, and classwork and homework will be undertaken in these.

**Achievement Standards that will be drawn from for an assessment programme:**

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91574	2	3	3	N	Apply linear programme methods in solving problems	Internal
AS 91580	2	3	4	L/N	Investigate time series data	Internal
AS 91582	2	3	4	L/N	Use statistical methods to make a formal inference	Internal
AS 91583	2	3	4	L/N	Conduct an experiment to investigate a situation using experimental design principles	Internal
AS 91585	2	3	4	N	Apply probability concepts in solving problems	External
<b>Total Credits offered</b>						<b>19</b>

# Level 3 Media

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

- Students need to have gained 12 Visual Arts credits at Level 2
- Level 1 Literacy
- Students have ideally gained 12 credits at Level 2 Media Studies

## Course Description:

Media studies is about the active exploration, analysis, creation, and enjoyment of the media and its products.

Media studies examines the dynamic role of the media in society, how the media constructs messages about individuals, communities, and cultures and how media products are produced, controlled, and distributed.

Through Media Studies, students gain the knowledge and skills to conceive, plan, design and make media products that engage audiences.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91490	1	3	4	R/W	Demonstrate understanding of an aspect of a media industry	External
AS 91494	1	3	4	Lit	Produce a design for a media product that meets the requirements of a brief	Internal
AS 91495	1	3	6	Lit	Produce a media product to meet the requirements of a brief	Internal
AS 91496	1	3	3	Lit	Demonstrate understanding of a significant development in the media	Internal
AS 91497	1	3	3	Lit W	Write a media text to meet the requirements of a brief	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 3 Music

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

Level 2 Music; Instrumental lessons for 4 years.

## Course Description:

The practice of music builds confidence and self-esteem, transforming students through supported explorations, which develop a strong sense of well-being and self-empowerment. Students learn to be confident and resilient through taking the creative risks involved in performance and composition. Students connect past, present, and future views of the world through their study of many different types of music. Students access, invent, and transform sounds through the application of sound arts technologies.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91416	1	3	8	-	Perform two programmes of music as a featured soloist	Internal
AS 91417	1	3	4	-	Perform a programme of music as a featured soloist on a second instrument	Internal
AS 91418	1	3	4	-	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	Internal
AS 91419	1	3	8	-	Communicate musical intention by composing three original pieces of music	Internal
AS 91422	1	3	4	Lit	Analyse a substantial music work	Internal
AS 91423	1	3	4	Lit	Examine the influence of context on a substantial music work	External
AS 91424	1	3	4	-	Create two arrangements for an ensemble	Internal
AS 91425	1	3	6	Lit R	Research a music topic	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 3 Painting

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirements:

Achieved Level 2 Painting, Design or Photography

## Course Description: Students will:

In Painting, students will pick one theme and carry it over all of the offered assessments. The external boards are an end product of a year long study around the students theme. This enables work that is created in internals, is then also applicable to go on their external boards. The media they will work in is acrylic or oil paint.

### *Students will also:*

- Use research and analysis to investigate contexts, meanings, intentions, and technological influences related to the making and valuing of art works
- Research and analyse contexts relevant to their intentions and to the expression of meanings in their own work.
- Extend and refine skills in painting, using appropriate processes and procedures.
- Generate, analyse, clarify, and regenerate options in response to selected questions or a proposal in painting.
- Use a systematic approach, selectively informed by recent and established practice, to develop ideas in a body of work.
- Research and analyse selected approaches and theories related to visual arts practice
- Critically reflect on, respond to, and evaluate art works.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91446	2	3	4	-	Use drawing to demonstrate understanding of conventions appropriate to painting	Internal
AS 91451	2	3	4	-	Systematically clarify ideas using drawing informed by established painting practice	Internal
AS 91456	2	3	14	-	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	External
<b>Total Credits offered</b>						<b>22</b>

# Level 3 Photography

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

To take Photography at Level 3, students need to have gained at least 12 Photography credits at Level 2 or complete a Visual Arts Course at Level 1.

## Course Description:

### *In Photography, students will:*

- Develop abilities to use research and analysis to investigate contexts, meanings, intentions, and technological influences related to the making and valuing of artworks.
- Develop abilities to research and analyse contexts relevant to their intentions and to the expression of meanings in their own work.
- Develop abilities to apply understanding from both broad and depth research into the characteristics and constraints of materials, techniques, technologies, and established conventions in the photography field.
- Be enabled to extend and refine skills in the photography field, using appropriate processes and procedures.
- Develop abilities to generate, analyse, clarify, and regenerate options in response to selected questions of a proposal in the photography field.
- Develop abilities to use a systematic approach, selectively informed by recent and established practice to develop ideas in a body of work.
- Develop abilities to research and analyse selected approaches and theories related to visual art practices.
- Provide students with opportunities to critically reflect on, respond to, and evaluate art works.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write/ Num	Full Title	Internal/ External
AS 91442	1	3	4	Lit	Analyse methods and ideas from established photography practice	Internal
AS 91447	1	3	4	-	Use drawing to demonstrate understanding of conventions appropriate to photography	Internal
AS 91452	1	3	4	-	Systematically clarify ideas using drawing informed by established photography practice	Internal
AS 91457	1	3	14	-	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	External
<b>Total Credits offered</b>						<b>22</b>

# Level 3 Physical Education

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

14 credits at Level 2 PE or 14 credits at Level 2 English in consultation with the HOD PE.

## Course Description:

Students develop critical evaluation and reflection skills. This allows them to understand more deeply the complexity of the movement culture and to consider the assumptions surrounding the role of movement in relation to self, others, and the wider society. Units are taught in a range of contexts which may include: triathlon, snow sports, golf and researching performance enhancing drugs in sport.

The ability to analyse participation patterns critically will enable them to suggest possible health-promoting actions that could contribute to their own and others lives. Students at this level draw on a wide range of perspectives from research, anecdotal evidence, media reporting, and their own participation.

## Course costs:

2 day snow trip approximately \$200; Triathlon approximately \$35

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91498	1	3	4	L/N	Evaluate physical activity experiences to devise strategies for lifelong well-being	Internal
AS 91499	1	3	3	Lit	Analyse a physical skill performed by self or others	Internal
AS 91500	1	3	4	L/N	Evaluate the effectiveness of a performance improvement programme.	Internal
AS 91501	1	3	4	N	Demonstrate quality performance of a physical activity in an applied setting	Internal
AS 91502	1	3	4	R	Examine a current physical activity event, trend, or issue and its impact on New Zealand society	Internal
AS 91504	1	3	3	L	Analyse issues in safety management for outdoor activity to devise safety management strategies	Internal
<b>Total Credits offered</b>						<b>20</b>



# Level 3 Physics

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Course Requirement:

Students must have achieved at least 2 externals in Year 12 Physics and ideally achieving the algebra external in Year 12 Mathematics

## Course Description: In this course students will:

### *In Physics students will:*

- Investigate physical phenomena (in the areas of mechanics, electricity, electromagnetism, heat, light and waves, and atomic and nuclear physics) and produce qualitative and quantitative explanations for a variety of complex situations; Analyse and evaluate data to deduce complex trends and relationships in physical phenomena.
- Use physics ideas to explain a technological, biological, or astronomical application of physics and discuss related issues.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 91521	1	3	4	L	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	Internal
AS 91522	1	3	3	L	Demonstrate understanding of the application of physics to a selected context	Internal
AS 91523	1	3	4	L	Demonstrate understanding of wave systems.	External
AS 91524	1	3	6	L	Demonstrate understanding of mechanical systems	External
AS 91525	1	3	3	L	Demonstrate understanding of modern Physics	Internal
AS 91527	1	3	3	R	Use physics knowledge to develop an informed response to a socio-scientific issue	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 3 Religious Education

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Course Requirement:

Level 1 Literacy

## Course Description: In this course students will:

Students will be challenged to think about grounding their beliefs in a relationship with Jesus. They will analyse contemporary ethical issues that challenge Christianity as a religion and what religion looks like in New Zealand and the astounding meanings found in the book of Jonah. These ideas will give students the opportunity to solidify their own belief structure and share their understandings with others in the wider community.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
AS 90825	2	3	6	L	Analyse a religious tradition(s) in Aotearoa New Zealand	Internal
AS 90826	2	3	6	R	Analyse the response of a religious tradition to a contemporary ethical issue	Internal
AS 91725	1	3	6	R	Analyse the meanings in a sacred text within a religious tradition	Internal
<b>Total Credits offered</b>						<b>18</b>

# Level 3 Tourism

## Qualification:

National Certificate in Tourism

## Entry Requirements:

Level 1 Literacy

## Course Description: Students will:

This course reflects the global and national importance of tourism

Over the decades, tourism has experienced continued growth and deepening diversification to become one of the fastest growing economic sectors in the world. Modern tourism is closely linked to development and encompasses a growing number of new destinations. These dynamics have turned tourism into a key driver for socio-economic progress. Tourism New Zealand markets New Zealand to the world as a visitor destination. In the year ending June 2016, 3.3 million international visitors came to New Zealand. International tourism is one of New Zealand's largest earners of foreign exchange, adding approximately NZ\$11.8 billion annually to the nation's economy.

## Unit Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit Read, Write / Num	Full Title	Internal/ External
US 3727	6	3	8	-	Demonstrate knowledge of Pacific Island countries as tourist destinations	Internal
US 18211	2	3	8	-	Demonstrate knowledge of Australia as a tourism destination	Internal
US 18212	2	3	8	-	Demonstrate knowledge of New Zealand as a tourist destination	Internal
US 24724	1	3	4	-	Demonstrate knowledge of the history of Tourism	Internal
US 24725	1	3	4	-	Describe and analyse the economic significance of tourism	Internal
US 24733	1	3	4	-	Describe and promote a New Zealand tourist destination	Internal
<b>Total Credits offered</b>						<b>20</b>

# NCEA Information

## The National Certificate of Educational Achievement NCEA

This is an introduction to assessment against achievement standards and unit standards and the National Qualifications Framework (NQF) at Longburn Adventist College.

### How To Gain NCEA

In Years 11, 12 and 13, subjects will offer a range of standards which assess different areas of knowledge and skills. These are called standards. Each standard is worth credits which will contribute towards gaining NCEA at Level 1, Level 2 and Level 3. Each subject will offer up to 24 credits.

### How to achieve standards to gain credits:

Achievement Standards are assessed by internal assessment, which takes place in school throughout the year (quality assured by NZQA), and by external assessment which is assessed by NZQA at the end of the year. The results have levels of achievement: Not Achieved (N), Achieved (A), Achieved with Merit (M) and Achieved with Excellence (E).

Unit Standards are assessed internally in school or the workplace and usually assess a more vocational based skill. They lead to a more specific qualification, eg Building and Construction Certificate.

Results are either Achieved (A) or Not Achieved (N).

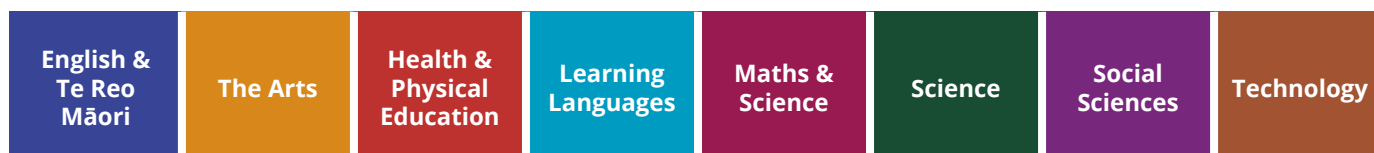
### The minimum requirements for NCEA Level 1, 2 and 3

NCEA Level	Credits required	Literacy and Numeracy credits required
Level 1	80 credits: At Level 1 or above	10 literacy, 10 numeracy
Level 2	80 credits: 60 at Level 2 or above plus 20 at any level	10 literacy, 10 numeracy
Level 3	80 credits: 60 at Level 3 or above plus 20 at Level 2 or above	10 literacy, 10 numeracy

### NCEA Level 1 Literacy and Numeracy Requirements

Students will achieve 10 Literacy and 10 Numeracy Credits through either:

- Achievement standards - available through a range of subjects with a minimum of 10 credits, or
- Unit standards - package of 3 unit standards worth a total of 10 credits.



# University Entrance Requirements

Students begin preparing for University Entrance from NCEA Level 1.

There will be some requirements to meet in each NCEA level, from Level 1 to 3.

## University Entrance 2016

*To achieve University Entrance students must gain all of the following:*

### NCEA Level 3

#### Three subjects - at Level 3

Made up of:

**14** credits each, in three approved subjects

#### Literacy

**10** credits at Level 2 or above

Made up of:

**5** credits in reading

**5** credits in writing

#### Numeracy

**10** credits at Level 1 or above,

Made up of:

Achievement Standards  
– specified achievement standards available through a range of subjects, or unit standards

## Course/Subject Endorsement

Students may receive NCEA endorsement for individual subjects.

**Merit endorsement:** 14 credits at Merit (or a mix of Merit and Excellence) in one year. At least 3 credits must be internal and 3 credits must be external.

**Excellence endorsement:** 14 credits at Excellence in one year. At least 3 credits must be internal and 3 credits must be external.

## NCEA CERTIFICATE ENDORSEMENT

Students will require 50 credits at Excellence to gain an NCEA endorsed with Excellence, and 50 credits at Merit (or Merit and Excellence), to gain an NCEA endorsed with Merit.

Credits can be gained over more than one year and more than one level, but must be gained at the level of the certificate or above. Eg. Level 2 credits will count towards endorsement of a Level 1 NCEA, but Level 1 credits will not count towards endorsement of a Level 2 NCEA.

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# Choosing Subjects Wisely

Use these questions as prompts to help you consider what subjects you need to be taking next year:

## ***Interest***

What do you enjoy learning?

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## ***Ability***

What subjects are you good at? Have you got ability in this subject?

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## ***Career Pathway***

What subjects do you need? What qualifications do you need?

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## ***Qualifications***

What qualification/s do you need to achieve?

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## ***Pre-requisites***

Have you got the prior learning needed?

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## ***How I like to learn***

Will the way learning occurs in this subject help me achieve my best results?

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# My Planning Page

Use this chart to plan for your future in education. Try to consult with your family, careers and your teachers. The more information you gather about your career option the more informed your final decisions will be.

**“When I leave School I hope to...”**  
(Choose ONE path)

<input type="checkbox"/> Don't know	<input type="checkbox"/> Get a job immediately	<input type="checkbox"/> Do a Certificate or Diploma at a Polytechnic or some other private training	<input type="checkbox"/> Do a degree at University or Polytechnic
↓	↓	↓	↓
If I don't know what I want to do I must keep my course as general as possible	I will get a job as a: <input type="text"/>	The training will possibly be in: <input type="text"/>	The degree will possibly be in: <input type="text"/>
↓	↓	↓	↓
Research what subjects you may need for your chosen job <a href="http://www.careers.govt.nz/jobs/">http://www.careers.govt.nz/jobs/</a>	Now check the list of available subjects as well as the entrance requirements for university / polytechnics and the recommended subjects for each course. Have you checked degree / diploma / certificate requirements with the Careers Advisor? <input type="checkbox"/> Yes <input type="checkbox"/> No		

## Year 13 Subjects NCEA Level 3

Compulsory subjects: • Religious Studies

My option subjects

Pick **7** options in order of preference:

**First Choice:** \_\_\_\_\_

**Second Choice:** \_\_\_\_\_

**Third Choice:** \_\_\_\_\_

**Fourth Choice:** \_\_\_\_\_

**Fifth Choice:** \_\_\_\_\_

**Sixth Choice:** \_\_\_\_\_

**Seventh Choice:** \_\_\_\_\_

# VOCATIONAL PATHWAYS

Vocational Pathways is a Ministry of Education tool that has been developed to help you plan your journey from secondary school to the work force. It is a new way to achieve NCEA Level 2. Vocational Pathways help you to see how your Level 2 learning and achievement matches against specific 'sector-related' standards with six industries.

- Get the info: <http://youthguarantee.net.nz/vocational-pathways/>
- Build your own vocational pathway profile: <http://youthguarantee.net.nz/vocational-pathways/profile-builder/>
- Info for Students and Whanau: <http://youthguarantee.net.nz/vocational-pathways/students-and-whanau/>
- Questions answered: <http://youthguarantee.net.nz/vocational-pathways/faqs/>
- Need to do some career planning? <http://www.careers.govt.nz/jobs-database/>

## The Vocational Pathways Award – shows on your Record of Achievement

<b>NCEA Level 2</b> 80 credits	Vocational Pathways Award <b>60</b> Level 2 credits from the recommended pathway(s)	<b>20</b> credits must be from sector related standards
Gain <b>10</b> credits – Literacy      Gain <b>10</b> credits – Numeracy		

## Vocational Pathways – 5 sectors of industry

The pathways will help you see how learning is relevant to a wide range of jobs and study options, in five broad sectors of industry:

- Manufacturing and Technology
- Construction and Infrastructure
- Creative Industries
- Primary Industries
- Social and Community Services, and
- Services Industries

## Why is it good to know about your achievement against Vocational Pathways?

- You can show your family, whanau or aiga your strengths, interests and achievements.
- You can identify your interests and link them to a career path.
- You might identify subjects or assessments that you need to take to follow a particular vocational pathway.
- The Vocational Pathways identify many different occupations – some of which you may never have considered before.
- The pathways also show you what employers may expect to see you achieve in your learning.
- The pathways help you be sure that you are developing the right skills for a particular career.

A Vocational Pathways qualification could lead you into either further study or give you entry into the workplace.

Source – Ministry of Education <http://www.youthguarantee.net.nz/vocational-pathways/>